INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/001047

A. CLASSIFICATIONOFSUBJECTMATTER			
Int.Cl, G02F 1/1343, G02F1/1337			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
Int.Cl ⁷ G02F 1/1343, G02F1/1337			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
C. DOCO			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
x	JP 9-105908 A(HITACHI LTD)		1-12,16,21
Y	1997.04.22,paragraph[0386]	-[0400],Figs. 47-49	13-15,18-20,
·	& US 6266116 B1 & TW 45410		22-24
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X Ý	JP 2001-337338 A (MATSUSHIT) LTD) 2001 12 07 paragraph [0]		1-12,16,21 13-15,18-20,
x	LTD) 2001.12.07, paragraph [0] 41-47 & WO 01/25843 A1 & E		13-15,18-20, 22-24
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x	JP 11-194353 A(NEC CORP)		1-12,17,21
Y	1999.07.21, full text, all drawings		13-15,18-20,
.	& US 6259503 B1 & KR 99/063563 A & TW 473635 A		22-24
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<u> </u>	or documents are listed in the continuation of Box C.	See patent family annex.	-
"A" docume	* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
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is cited	ent which may throw doubts on priority claim(s) or which to establish the publication date of another citation or other	inventive step when the document is	taken alone
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "O combined with one or more other combined with one or more other means			step when the document is r such documents, such
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed			
	actual completion of the international search	Date of mailing of the international search	h report
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3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 E	xt. 3293